UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

RECEIVED 10/17/79

SUBJECT: Results of Hazardous Waste Site Preliminary Site Investigation

DATE: October 12, 1979

FROM: Fred N. Rubel, Chief
Emergency Response & Inspection Branch

TO: Michael DeBonis, Chief
Solid Waste Branch

Attached is an original and eight copies of a dossier and related forms completed for the L. E. Carpenter site, Wharton, New Jersey.

This was prepared following visits to the site on August 28 and October 4, 1979. The site hazard evaluation suggests that we carefully monitor State efforts to resolve the problems at the site.

Attachments

EPA Form 1320-6 (Rev. 6-72)

00000 1790
and 00000 3530 "duplicate"

II-1159

What kind of form is this?

U.S. Environmental Protection Agency
Region II
Hazardous Waste Site Survey Record

I. Inspection Summary

1. Facility Name: L.E. Carpenter Co. NJ 1790

2. Facility I.D. number: eliminate NJ 3530 as site a duplicate to NJ 1790

3. Address (including city, county, state, zip code):

170 North Main Street

Wharton, New Jersey 07885

4. Location (Latitude, Longitude or special instructions):

Lat.- 40-54.13 Long.- 74-34.40

5. Owner or Responsible Official (title, phone number):

Mr. Felfoldy, Plant Manager

6. Operator (if different than #5)(title, phone number):

Dayco Corporation

7. Owner of Reality (and address): N/A

8. Facility Representative(s) Interviewed (title, phone number): Mr. Henry Jarrett, Plant Engineer, 201-366-2020

9. Inspector's Name (title, division, phone number):

Paul R. Elliot, USEPA, 201-321-6670

10. Inspection Participants Names (affiliation, phone numbers): Kerry T. Webster, Ecology and Environment, Inc.

201-494-5871

John Alonso, USEPA, 201-321-6646

11. Date of Inspection: 28 August 1979 and 4 October 1979

12. Weather: Hot, humid, sunny

13. Samples collected: yes ( ) no (X)
groundwater ( ) surface water ( ) waste ( ) air ( )
runoff ( ) spill ( ) soil ( ) other ( )

14. Field Measurements: yes ( ) no (X) types:

15. Photos Taken: yes (X) no ( )

16. Site Mapped: yes (X) no ( )

17. Local Residents or Workers Interviewed Yes ( ) No (X)

18. Observations and General Remarks:

See narrative report attached.

II. Site Information

1. Type of Operation: a. Generator

On-site disposal ( )
Off-site disposal (X)

b. Storage (X) (if yes, complete supplemental "storage information" form)

c. Treatment/disposal

Incineration ( ) (if yes, complete supplemental "incineration information" form)

Landfill ( ) (if yes, complete supplemental "landfill information" form)

Surface Impoundment ( ) (if yes, complete supplemental surface "impoundment information" form)

Deep Well Injection ( ) (if yes, complete supplemental "deep well injection information" form)

Chemical/Physical/Biological Treatment ( ) (if yes, attach description on separate sheet)

Landfarm (X) (if yes, complete supplemental "landfarm information" form)

Open Dump -- No systematic management ( ) (attach description on separate sheet)

Recyclor ( ) (attach description on separate sheet)

d. Transporter ( ) (attach description on a separate sheet)

2. Site Active yes (X) no ( )

2a. Site Abandoned yes ( ) no (X)

3. Authorization:

a. NPDES Permit	( )	
b. SPCC plan	( )	
c. State permits	( )	Type_____
d. Air permit	( )	
e. Other	(X)	None

4. Waste Oil or Oil based compounds on site Yes ( ) No (X)

4a. Waste Types and Amounts Disposed at Site (List all oil and oil compound wastes first): _____

See attachments to narrative report.

(attach extra sheet if needed)(indicate source of information)

4(b). Is waste type consistent with information on Preliminary Assessment? Yes (X) No ( )

5. List sources of wastes (generator and hauler, as known):

All wastes come from L.E. Carpenter Co.

6. Identify Off-site Facilities Used For Disposal:

1978 - Hauto Co., Pennsylvania

7. Approximate Area of Site 60' X 100'

8. Distance to Surface Waters in vicinity 200 feet

9. Distance to Nearest Drinking Water Supply 200 feet

10. Identify type of drinking water supply

( ) private
(X) public (city of Wharton, N.J. & Jersey City, N.J.)
( ) well
( ) surface water

11. Proximity to Public Buildings and/or Residences:

1/4 mile

12. Estimate Depth to Groundwater (basis of estimate):

4 to 5 feet - based upon NJDEP information.

13. Site is located in:

a. Known fault zone	( )
b. Karst zone	( )
c. 100-year Floodplain	(X)
d. A regulatory Floodway	( )
e. Wetland	( )
f. Critical habitat	( )
g. Recharge zone to a sole source aquifer	( )

14. Comment on the following:

a-slope Less than 10^0

b-soils permeability soil is considered highly permeable

c-recharge or discharge area "instant" - from NJDEP hydrologist

d-bedrock exposure in area (type) 70 feet below surface

e-type of geologic material observed (overburden, bedrock, sand, gravel, clay, etc) unconsolidated sediment, glacial outwash.

III. Field Evaluation Factors

If at any time during this site inspection you discover any condition requiring immediate containment or other emergency response measures, initiate remedial measures by contacting appropriate local authorities, Regional emergency response team, and H.Q. Hazardous Waste Task Force.

Answer and explain:

1. Evidence of Soil Contamination yes (X) no ( )

Spills have occurred from leaking drums onto the ground surface. An open pit, below gradeline, showed evidence of soil saturation.

2. Evidence of Runoff yes (X) no ( )

Some runoff has occurred and there was evidence that recent runoff into surface waters had occurred during heavy rains.

3. Evidence of Spills yes (X) no ( )

Pooling of waste products has occurred in the drum holding area. The potential exists for spills from runoff as described in #2 above.

4. Air Emissions yes ( ) no (X)

5. Noticeable Odors yes ( ) no (X)

6. Existing or potential erosion problems yes ( ) no (X)

7. Evidence of Environmental Damage yes (X) no ( )

Some damage to deciduous trees may have occurred near the buried waste area.

8. Evidence of Charred Open Areas, smoke etc. yes ( ) no (X)

9. Potential for Groundwater Contamination Based on the Observed Hydrogeologic Setting yes (X) no ( )

Due to nature of soil, proximity of Rockaway River, and uncontrolled runoff, a potential for further contamination exists.

10. Proper Maintenance and Operation of Runoff Collection and Confining Structures yes ( ) no (X)

No structures constructed to control runoff from drum holding area. Buried waste area diking is not inspected on any scheduled basis.

11. Controlled access yes ( ) no (X)

There is uncontrolled and open access to the rear of the facility. Security appears to be of a minimal nature.

12. Available Records For Chemical Analysis of Hazardous Waste Handled at the Facility yes ( ) no (X)

No records exist as to the number of drums or the type of waste buried in the area, however, all wastes are generated on site.

13. Sewers and Drains yes ( ) no (X)
terminus of sewer:

No sewers or drains exist in the drum holding area. Several open trenches exist for rainwater runoff and leachate collection.

14. Presence of hoses, pumps or other water diversion equipment yes ( ) no (X)

15. Proper placarding of Trucks yes ( ) no (X)

Not observed.

16. Contingency and Emergency Plan and Equipment Available yes ( ) no (X)

None observed.

17. Geologic/Hydrologic/Soil Survey conducted by or for the owner/operator. Yes (X)* No ( )

17(a) Is the survey in item 17 available? Yes (X)* No ( )

18. Engineering plan of facility available. Yes (X)* No ( )

* Study conducted by Wehran Engineering. A copy is possibly available from L.E. Carpenter Co., Engineering Department.

Prepared by Kerry T. Webster

Signed _____

Title Biologist, Technical Assistance Team

Date This Report Completed 8 October 1979

Supplemental Form

[redacted]. Carpenter Co.,
[redacted]arton, N.J.

Storage Facilities

Answer and explain as necessary.

1. Storage Area has Continuous Impervious Base yes ( ) no (X)

2. Storage Area has a Confinement Structure yes ( ) no (X)

3. Evidence of Leakage/Overflow yes (X) no ( ) (Document where and how much runoff is overflowing or leaking from containment)

   There is evidence that some spilled material from drum holding area is pooling, and is subject to runoff during heavy rain. Runoff flows directly into a feeder stream of the Rockaway River.

4. Estimate Type and Number of ~~XXXXXX~~/Containers: Approximately 450 - 55 gallon drums

5. Glass or plastic storage containers used Yes ( ) No (X)

6. Estimate Number and Capacity of Storage Tanks: N/A

7. Note Labeling on Containers: Labels are various and not descriptive of the drum's contents.

8. Evidence of Leakage Corrosion or Bulging of Barrels/Containers/Storage Tanks yes (X) no ( ) (Document evidence. Describe location and extent of damage. Photograph)

   See photographs accompanying narrative report.

9. Direct Venting of Storage Tanks yes ( ) no (X) N/A

Supplemental Form

L.E. Carpenter Co.
Wharton, New Jersey

Land Farm

Answer and explain as necessary:

1. State permit yes ( ) no (X)

2. Area (dimensions of site): 50' X 50'

3. Application rate Approx. 350 gallons/week

4. Improper Disposal of Unauthorized Material in Land Farm yes ( ) no (X)

5. Diversion structures are Effectively Constructed and Properly Maintained yes (X) no ( )

6. Evidence of Ponding of Liquid on Site yes (X) no ( )

7. Odors (especially hydrogen sulfide) Yes ( ) No (X)

indicate: _____

8. General Physical appearance of soil (color, clasticity, etc): Soil is tan to gray in color, granular in consistency.

9. Vegetation on Landfarm: Heavy grass cover along periphery of open pit area. Little vegetation growing on dry areas of open pit surface.

10. pH: approx. 7.3 - based upon studies of disposal area conducted Jan. 1979 by Rockaway Valley Sewerage Authority.

10. Check Area for Containers Holding Incompatible Substances yes ( ) no (X) (If yes, document evidence. Describe locationn and identity of hazardous waste. Photograph)

11. Adequate Container Washing and Reuse Practices yes ( ) no (X)

12. Adequate Practices for Disposal of Empty Storage Containers yes ( ) no (X)

At present, L.E. Carpenter Co. cannot find a contractor to haul their waste products. Drummed waste is generated at a rate of 8 to 10 drums per week.